

second end securely attached to the second connecting member.

Each of the first connecting member and the second connecting member includes a magnet attached thereto for releasably engaging with each other when the pair of eyeglasses is folded to a completely folded status. Each of the first lens and the second lens may include a portion respectively held by the first connecting member and the second connecting member. Each of the first pivotal member and the second pivotal member may optically include an extension for respectively holding the first lens and the second lens.

Other objects, advantages, and novel

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U.S. Patent

Apr. 11, 2000

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6,048,061

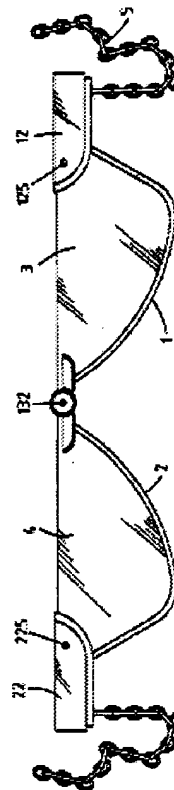


FIG. 3

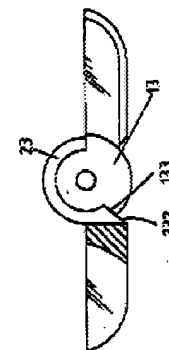


FIG. 4

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the pencil 180. In the magnetic retention system 424, only a single magnet 36 is necessary since the pencil 180 is so short. The pencil 180 must, however, be equipped with some metal portion, such as a thin iron or steel band 182. The magnet 36 acts through the fabric layer 141 to exert a force of magnetic attraction on the metal band 182 sufficient to hold the pencil 180 seated in the pocket 240.

FIGS. 11 and 12 illustrate an embodiment of a magnetic retention system indicated generally at 524 which is suitable for attachment to virtually any article of clothing, or any other fabric article utilized as a sporting or recreational accessory. The magnetic

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Dec. 26, 2000

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6,163,889

FIG. 5

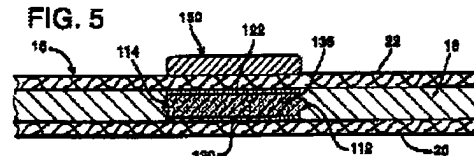


FIG. 6

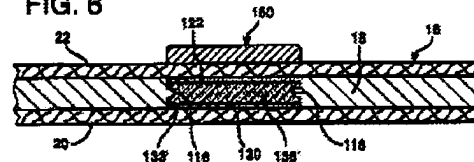


FIG. 7

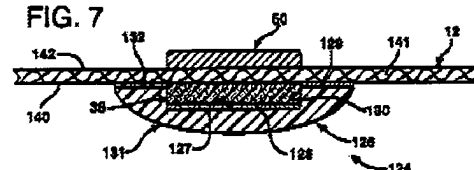
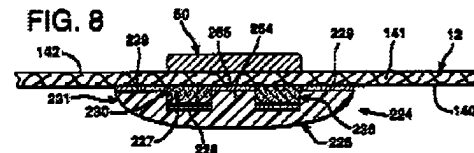


FIG. 8



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PRIMARY-EXAMINER: Dziekonski; Paul M.

ATTY-AGENT-FIRM: LoJacono; Francis X.

## ABSTRACT:

An ornamental device for eyeglasses which comprises an ornament adapted to be attracted by a magnetic force, wherein the ornament is positioned on the front surface of at least one of the glass member elements of a pair of eyeglasses, one or more magnets being placed adjacent the rear surface of the glass element whereby the magnetic force from the magnet holds the ornament in a selective position on the glass element.

12 Claims, 4 Drawing figures

Exemplary Claim Number: 1

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U.S. Patent

Jan. 29, 1991

Sheet 1 of 1

4,988,181

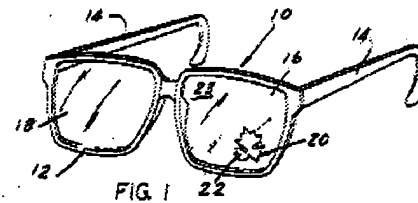


FIG. 1

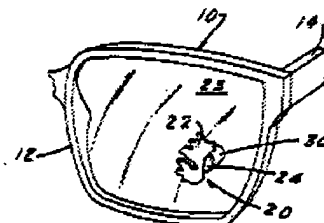


FIG. 2

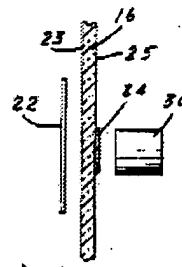


FIG. 3

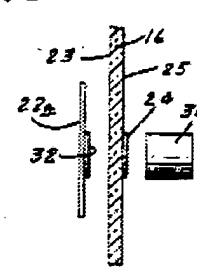


FIG. 4

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assembly. It can be appreciated that when the panels become disassembled, the inner panel falls inside the user's garment where it is often difficult to retrieve.

Also of interest is the U.S. Pat. No. to Ellis 2,389,298 which discloses a magnetic apparel fastener comprising a pair of circular magnets wherein one of the magnets is recessed so that the other magnet interfits within the recess.

The instant invention provides a magnetic name plate assembly comprising a name plate and a retaining member which are magnetically receivable in face-to-face relation so that a user's garment may be sandwiched therebetween.

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4	<input type="checkbox"/>	<input type="checkbox"/>	US 5070581	1991121	7	24/3.

Details Text Image

Reeves (11) Patent Number: 5,309,001  
(34) Date of Patent: Dec. 6, 1994

(36) MAGNETIC NAME PLATE ASSEMBLY  
(78) Inventor: Robert V. Reeves, Andover, Mass.  
(73) Assignee: Reeves Co., Inc., Andover, Mass.  
(21) Appl. No.: 95,773  
(22) Filed: Jul. 21, 1993  
(31) Int. Cl.: A44C 5/00  
(52) U.S. Cl.: 40/L.S. 603, 624;  
24/303  
(58) Field of Search: 40/L.S. 603, 624;  
24/303

1,323,925 2/1994 Rowe et al. 40/  
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0999710 5/1993 France 24/  
1182117 11/1993 U.S.S.R. 24/  
01/21341 10/1993 WIDO 40/1

Primary Examiner—Edward K. Look  
Assistant Examiner—Mark Sigmon  
Attorney, Agent, or Firm—Baker & Michelson

# ABSTRACT

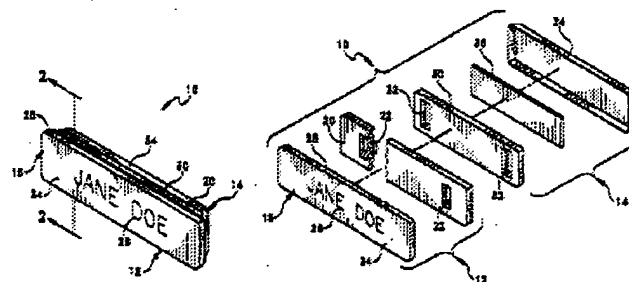
A magnetic name plate assembly includes a name plate and a retaining member which are magnetically receivable in face-to-face relation so that a user's garment can be sandwiched therebetween. The name plate and retaining member are provided with interengaging means that interlock with the fabric sandwiched therebetween and effectively limit relative movement of one member with respect to the other.

10 Claims, 6 Drawing Sheets

## References Cited

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2,389,298 11/1945 Ellis 40/1.3  
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2,401,434 8/1952 Baker 24/303  
3,458,189 11/1973 Thompson 40/421  
4,236,151 12/1980 Matson 40/1.3  
4,305,007 3/1985 Aoki 24/303



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1	BRS	L3	0	1 AND EYEGLASSES	USPAT	2001/01/11 10:12
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3	BRS	L5	12	EYEGLASSES WITH MAGNET	USPAT	2001/01/11 10:17

US-PAT-NO: 5956812  
DOCUMENT-IDENTIFIER: US 5956812 A

TITLE: Eyeglass holder  
DATE-ISSUED: September 28, 1999

## INVENTOR-INFORMATION:

NAME CITY  
STATE ZIP CODE COUNTRY RULE 47  
Moennig; January L. Indian Rocks  
FL 33785 N/A N/A  
Beach

APPL-NO: 9/ 007451  
DATE FILED: January 15, 1998

INT-CL: [6] A44B021/00,G02C011/00

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Details Text Image

United States Patent  
Moennig

Patent Number: 5,956,812  
Date of Patent: Sep. 28, 1999

## [54] EYEGLASS HOLDER

[57] Inventor: January L. Moennig, 1201 Bay Pine  
Unit, Indian Rocks Beach, FL 33785

[51] Appl. No.: 08/097,451

[52] Filed: Jan. 15, 1998

[53] Int. Cl. A44B 21/00; G02C 11/00

[54] U.S. Cl. 243.3; 243.3.1; 243.3.2

[55] Field of Search: 243.3; 243.3.1; 243.3.2

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1,307,028 8/20/44 Taylor ..... 243.3  
1,509,700 8/27/46 Wadsworth ..... 243.3  
4,772,222 1/2/88 O'Quinn ..... 243.3  
4,800,406 1/25/88 O'Quinn ..... 243.3  
4,894,287 1/19/90 O'Quinn ..... 243.3  
4,965,813 12/22/90 O'Quinn ..... 243.3  
5,351,208 1/23/94 O'Quinn ..... 243.3  
5,424,728 1/23/95 O'Quinn ..... 243.3

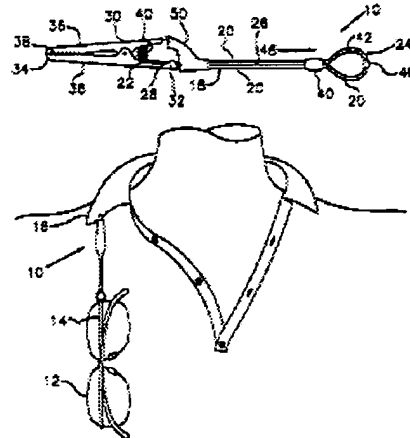
[56] Foreign Patent Documents  
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1,128,379 8/19/34 Fisher ..... 243.3  
1,307,028 8/20/44 Taylor ..... 243.3  
1,509,700 8/27/46 Wadsworth ..... 243.3  
4,772,222 1/2/88 O'Quinn ..... 243.3  
4,800,406 1/25/88 O'Quinn ..... 243.3  
4,894,287 1/19/90 O'Quinn ..... 243.3  
4,965,813 12/22/90 O'Quinn ..... 243.3  
5,351,208 1/23/94 O'Quinn ..... 243.3  
5,424,728 1/23/95 O'Quinn ..... 243.3

Primary Examiner—Victor N. Schmitt  
Attorney Agent, or Firm—Dennis G. LaPine, Mosen &  
Associates, P.A.

## [57] ABSTRACT

An eyeglass holder secures a pair of eyeglasses to a selected article of clothing when the eyeglasses are not being worn. The holder comprises a flexible strand folded back upon itself forming a loop to receive and releasably hold the eyeglasses temple end. An adjusting sleeve allows the release of the loop. A reaction band engages the loop to prevent the adjusting sleeve from sliding off the loop. The loop is connected to a spring loaded clasp having a catch releasably clamped to the selected article of clothing.

4 Claims, 2 Drawing Sheets



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frame 238 of the magnetic retention system 424 has an opening defined therethrough that forms an elongated, rectangular enclosure 240 adapted to receive a short golf pencil 180. The enclosure 240 formed by the frame 238 provides a pocket that readily receives the pencil 180. In the magnetic retention system 424, only a single magnet 36 is necessary since the pencil 180 is so short. The pencil 180 must, however, be equipped with some metal portion, such as a thin iron or steel band 182. The magnet 36 acts through the fabric layer 141 to exert a force of magnetic attraction on the metal band 182 sufficient to hold the pencil 180 seated in the pocket 240.

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6,163,889

FIG. 11

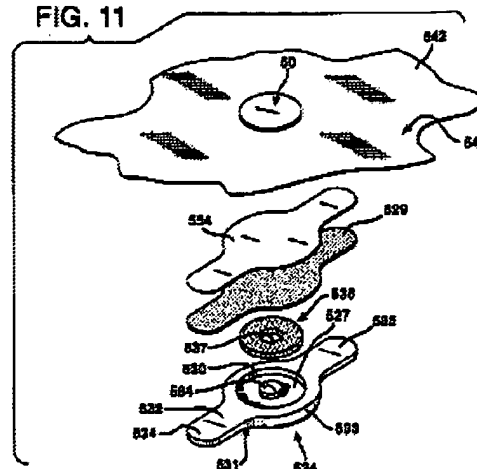
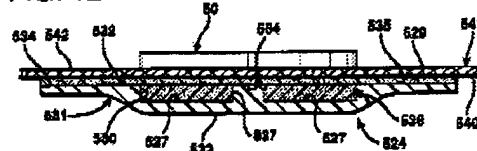


FIG. 12



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4	BRS	L7	0	EYEGLASSES WITH MAGNET WITH GARMENT	USPAT	2001/01/11 10:23
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6	BRS	L9	2	EYEGLASSES WITH MAGNET WITH PLATE	USPAT	2001/01/11 10:36
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8	BRS	L13	49	PENCIL WITH MAGNET	USPAT	2001/01/11 10:37

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wherein the magnetic susceptibility of said counterplate is greater than one.

6. A cassette as defined in claim 4, wherein said magnetic plate is constituted by a material which is selected from the group consisting of an alnico -alloy, an oxide permanent magnet, a magnetically coated polyvinylchloride, and a magnet manufactured by an injection-molding process from an oxide powder and a binder.

7. A cassette as defined in claim 4, wherein the X-ray film has a predetermined size, said magnetic plate and counterplate having a size substantially corresponding to the size of

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18	US 4468648	1984082	7	335/295	3
19	US 4462247	1984073	5	73/35.13	3
20	US 4434025	1984022	22	117/86	1
21	US 4424705	1984011	10	73/35.13	7
22	US 4424550	1984010	6	361/236	
23	US 4364295	1982122	6	84/726	5
24	US 4280078	1981072	9	315/39.5	3
25	US 4264821	1981042	5	378/187	3
26	US 4072918	1978020	6	335/236	3
27	US 4055732	1977102	7	335/296	1

Details Text Image

U.S. Patent

Apr. 28, 1981

4,264,821

Fig. 1

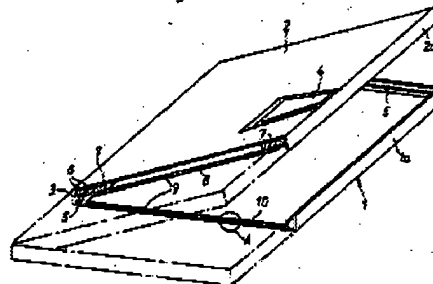


Fig. 2



Fig. 3



Details Text Image

Full

fluid flow path within the pipe 10. The small diameter of a fuel line permits a pair of units diametrically opposed to substantially saturate the fuel flow path within the line so that little untreated fuel may pass that could cause the pollution and reduced gas mileage of untreated fuel flow.

The low reluctance soft iron or equivalent non-permanent magnetic cover plate 35 serves as a return path for the longitudinally oriented alnico magnet poles (N, S), at the upper side of the magnets 25, 26. Accordingly at the lower side, the flux pattern 30 is established for intrusion within the fuel line 10.

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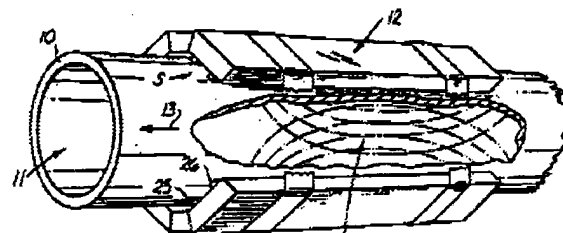


FIG. 1

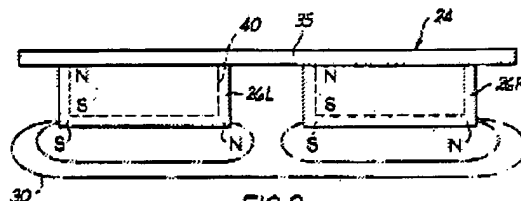


FIG. 2

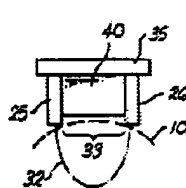


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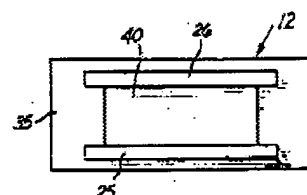


FIG. 4

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The low reluctance soft iron or equivalent non-permanent magnetic cover plate 35 serves as a return path for the longitudinally oriented alnico magnet poles (N, S), at the upper side of the magnets 25, 26. Accordingly at the lower side, the flux pattern 30 is established for intrusion within the fuel line 10.

One substantially cubic ceramic ferrite permanent magnet 40, 41 is normally disposed between the alnico magnets 25, 26 and in contact with the low reluctance cover plate 35, to leave the alnico legs for straddling the fuel line 10 extending from the bottom, as shown.

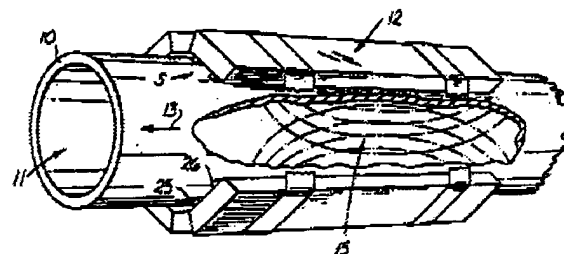


FIG. 1

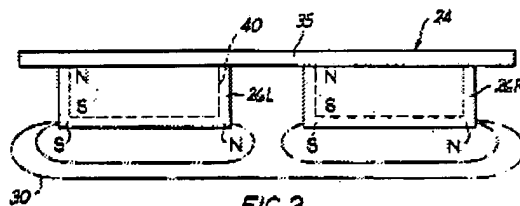


FIG. 2

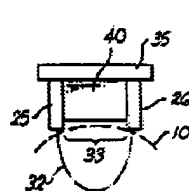


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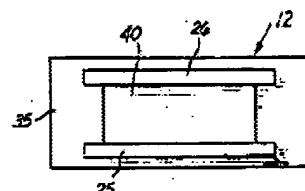


FIG. 4

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